

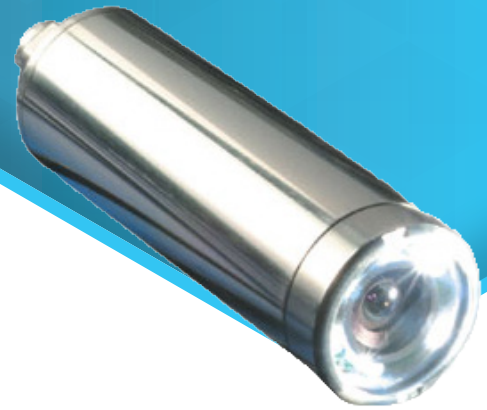


## RADIATION TOLERANT CAMERA

# C911™

*Dotcam*

Rugged, Low Cost Inspection Camera



### FEATURES

- Low cost
- Rapid deployment
- High resolution color
- White LED lighting with variable intensity option
- Enhanced shock/vibration resistance for tooling applications
- Stainless steel housing
- Small in size
- Fully submersible camera/cable
- Low light capable
- A number of lens options providing different fields of view

### APPLICATIONS

- General inspection
- Remote welding
- Robotic equipment
- End effectors
- Constricted area viewing
- Tool head viewing device

### DESCRIPTION

When budget constraints and size are of the utmost concern, the Dotcam provides you with an inspection tool at a very low cost. Rugged and reliable, the Dotcam can be used in a wide range of applications. The system incorporates a state-of-the-art sensor that is fully automatic in its operation, providing high quality color pictures – even in low-lighting conditions the camera can switch over to supply monochrome images.

The Dotcam is available in stainless steel with glanded cable or quick release connector depending on your project needs. All versions provide lighting with an integral white LED lighting ring and operate under water to a depth of 60 m (200 ft).

With its ease of use, capability in low-light applications and extensive lens options, the Dotcam is an ideal “building block” for a wide range of inspection systems and can be easily adapted for specific tasks.

For higher radiation applications, please see our information on the Dotcam HR.



SPECIFICATIONS AND PERFORMANCE

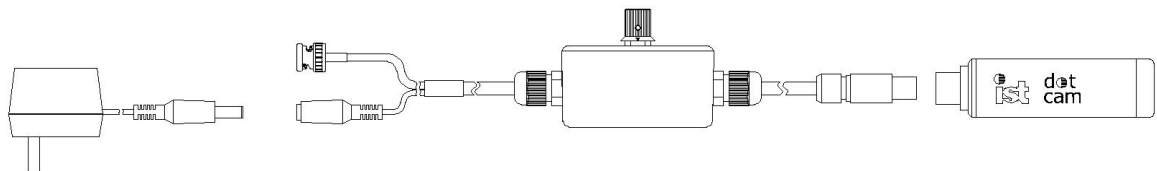
Camera	
Image Sensor	1/3.2 in. CMOS sensor
Temperature Rating (camera module)	0 to 50 °C (32 to 122 °F)
Resolution	≥800 TV lines
Total Dose	100 Gy (10 <sup>4</sup> rad)
Angle of View (H) (approx. with standard lens)	80° horizontal, 65° vertical, 93° diagonal
Construction	Stainless steel (SS)
Weight	192 g (6.8 oz)
Min illumination	0.05 lx (faceplate)
Signal to noise ratio	> 45 dB
Standard lens	3.6 mm f/2.0
Power source	DC 12 V ±10% (optional wall transformer included with glanded cameras and cable options)
Current consumption	120 mA
Diameter	29 mm (1.14 in.)
Length (with connector)	110 mm (4.3 in.)
Length (with mated connector)	147 mm (5.8 in.)
Length (with gland)	110 mm (4.3 in.)
Lighting	Six LEDs

Cables	
Four core radiation tolerant PE inner insulation and polyurethane sheath	
Diameter	6.2 mm (0.25 in.)
Length	30 m (98.4 ft) (standard)

Part Numbers**	
C911CMN53A/S PAL	Dotcam, 3.6mm lens, stainless steel, 3 pin connector (no cable)
C911CMN54A/S30M PAL	Dotcam, 3.6mm lens, stainless steel, glanded with 30m cable
C911CMN55A/S30M PAL	Dotcam, 3.6mm lens, stainless steel, variable lighting, glanded with 30m cable
C911CMP53A/S NTSC	Dotcam, 3.6mm lens, stainless steel, 3 pin connector (no cable)
C911CMP54A/S100 NTSC	Dotcam, 3.6mm lens, stainless steel, glanded with 100ft cable
C911CMP57A/S100 NTSC	Dotcam, 3.6mm lens, stainless steel, variable lighting, glanded with 100ft cable
C911CAB05A/100	Cable with 3pin connector, 100ft length

\*\* Other lens and cable options are available; please contact Mirion Technologies for details.

\*Other angles may be achieved with alternate optional lenses.



SPC-146-EN-A\_DMD-10/2021

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Specifications may vary according to system configuration. We reserve the right to modify or amend the information herein without prior warning. Please contact your Mirion representative for further information.

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